



# CITY OF HAYWARD AGENDA REPORT

AGENDA DATE 10/6/98  
AGENDA ITEM 4  
WORK SESSION ITEM \_\_\_\_\_

TO: Mayor and City Council

FROM: Director of Public Works

SUBJECT: **AUTHORIZATION FOR EXECUTION OF AN AGREEMENT FOR  
PROFESSIONAL DESIGN SERVICES - HESPERIAN BOOSTER PUMP  
STATION, PHASE I**

## **RECOMMENDATION:**

It is recommended that the City Council appropriate \$35,000 from the balance of the Water System Capital Improvement Fund and authorize the execution of an agreement with Carol10 Engineers for Phase I of professional design services to prepare a preliminary design engineering report for development of the Hesperian Booster Pump Station, in an amount not to exceed \$30,000.

## **BACKGROUND/DISCUSSION:**

The Water Distribution System Master Plan identified the need to provide a booster pump station on the 42" Aqueduct in order to meet future maximum-day flows, prior to build out. Recent hydraulic analysis conducted in conjunction with the design of the Decoto Pump Station, which is currently underway, confirms the need for the station, however, it indicates the need probably will occur sooner than anticipated in the Master Plan. In the City's current Capital Improvement Program, the design of this station is scheduled for FY 1999/2000, with construction to follow in FY 2000/2001. This Phase I report will enable the City to maintain the schedule outlined in the current CIP.

Preliminary planning also indicates that the best project site is on City property located at the northwest corner of the intersection at Hesperian and Industrial Boulevards. Phase I professional services will provided an engineering report that focuses upon specific needs for optimizing site development, including integration of Emergency Well B and fluoride injection. The report would provide hydraulic analysis to accurately size pumps and provide an accurate cost estimate to be used in CIP budgets for constructing the booster station. Providing that the preliminary engineering report proves the project to be feasible, plans, specifications, and an engineer's estimate would be prepared during Phase II.

The 42" Aqueduct is one of two aqueducts that convey water to the City from the Hetch Hetchy delivery system. The 42" Aqueduct has strategic importance as it has 3 times the capacity of the other aqueduct. Providing a booster station is necessary for the City to meet both near-term and long-term maximum-day demands. Actual development of the booster station may occur in stages, depending upon the recommendation of the Phase I report. It is important, however, to undertake a feasibility study as soon as possible and prior to next fiscal year, when the actual design of the station is scheduled.

Consultant Selection:

Staff has selected Carollo Engineers as the most qualified firm to perform the study. The selection was based on a review of: (1) the known relevant experience of other consulting firms, (2) the experience and qualifications of the project manager and support staff engineers, and (3) that Carollo has demonstrated through consulting services provided on other booster station projects to be well qualified and suited to working with City staff.

Carollo Engineers proposes to use an overall MBE participation of 20 percent. Based upon recent design work for Valle Vista Pump Station and Decoto and Walpert Booster Pump Stations, staff has concluded that the final negotiated not-to-exceed cost of \$30,000, including monies for additional services, is reasonable for the scope of services required.

Funding:

A total of \$2,300,000 has been programmed in the Capital Improvement Program for FY 1999/00 and 2000/01 for the project. Funds for this Phase I of the design should be appropriated from the Water System Capital Improvement Fund balance. There are adequate monies in the fund balance for this appropriation. If appropriate, additional monies to be identified by the Phase I report to complete the project will be requested in the 1999/00 Program. Developer contribution for future Walpert Ridge development is estimated to be \$75,000.

Schedule:

The following schedule has been developed for this project:

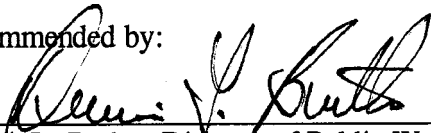
Begin preliminary engineering report	October 15, 1998
Complete preliminary engineering report	February 15, 1999
Begin Design (Phase II)	July 1, 1999
Award construction contract	July 1, 2000
Construction completion	June 30, 2001

Prepared by:



Alex Ameri, Deputy Director of Public Works/Utilities

Recommended by:



Dennis L. Butler, Director of Public Works

Approved by:



Jesus Armas, City Manager

Attachments: Location Map

**DRAFT**

Om 9-16-98

HAYWARD CITY COUNCIL

RESOLUTION NO. \_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION AUTHORIZING THE CITY MANAGER  
TO EXECUTE AGREEMENT BETWEEN THE CITY OF  
HAYWARD AND CAROLLO ENGINEERS FOR  
PROFESSIONAL SERVICES TO PREPARE PLANS,  
SPECIFICATIONS, AND CONSTRUCTION COST  
ESTIMATES FOR DEVELOPMENT OF THE  
HESPERIAN BOOSTER PUMP STATION, PHASE I,  
PROJECT NO. 7144

BE IT RESOLVED by the City Council of the City of Hayward that the City Manager is hereby authorized and directed to execute on behalf of the City of Hayward an agreement with **Carollo** Engineers for professional design services to prepare a preliminary design engineering report for development of the Hesperian Booster Pump Station, Project No. 7144, in an amount not to exceed \$30,000, in a form to be approved by the City Attorney.

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 1998

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward

**DRAFT**

*On 9-16-98*

HAYWARD CITY COUNCIL

RESOLUTION NO. \_\_\_\_\_

Introduced by Council Member \_\_\_\_\_

RESOLUTION AMENDING RESOLUTION 98-110, AS  
AMENDED, THE BUDGET RESOLUTION FOR  
CAPITAL PROJECTS FOR FISCAL YEAR 1998-99,  
RELATING TO AN APPROPRIATION OF FUNDS FOR  
THE HESPERIAN BOOSTER PUMP STATION, PHASE I

BE IT RESOLVED by the City Council of the City of Hayward that  
Resolution No, 98-110, as amended, the Budget Resolution for Capital Projects for fiscal  
year 1998-99, is hereby further amended by appropriating \$35,000 from the Water Capital  
Improvement Fund balance, Fund 622, for the Hesperian Booster Pump Station, Phase I,  
Project No. 7144

IN COUNCIL, HAYWARD, CALIFORNIA \_\_\_\_\_, 1998

ADOPTED BY THE FOLLOWING VOTE:

AYES:

NOES:

ABSTAIN:

ABSENT:

ATTEST: \_\_\_\_\_  
City Clerk of the City of Hayward

APPROVED AS TO FORM:

\_\_\_\_\_  
City Attorney of the City of Hayward